

Additional Inventors:

- (3) TOSHIAKI TAKAHASHI  
20-18, Fujimi-cho 1-chome, Tachikawa-shi, Tokyo, Japan
- (4) ITSURO YOSHIYA  
4831-4, Oaza Terada, Toride-shi, Ibaraki-ken, Japan
- (5) TSUTOMU NAGOSHI  
8-8-203, Sanuki 2-chome, Ryugasaki-shi,  
Ibaraki-ken, Japan
- (6) NAKA ITO  
366-7-102, Oaza Minami Kitsuki, Kitsuki-shi,  
Oita-ken, Japan
- (7) TOSHIO UETAKE  
168-1, Yahara-machi, Ryugasaki-shi, Ibaraki-ken, Japan
- (8) MAKOTO TANAKA  
3-1-911, Hakusan 1-chome, Midori-ku, Yokohama-shi,  
Kanagawa-ken, Japan
- (9) NORIO IJICHI  
4-13-206, Inodai 1-chome, Toride-shi, Ibaraki-ken,  
Japan
- (10) NOBUYUKI HIRAI  
14-4-201, Shinmachi 3-chome, Toride-shi, Ibaraki-ken,  
Japan
- (11) MUTSUO TERADA  
809, Oaza Oshido, Tone-machi, Kitasoma-gun,  
Ibaraki-ken, Japan
- (12) YASUJI TSUNETO  
11-11-106, Arima 7-chome, Miyamae-ku, Kawasaki-shi,  
Kanagawa-ken, Japan
- (13) YASUTAKA KABUTO  
490-603, Kuji, Takatsu-ku, Kawasaki-shi,  
Kanagawa-ken, Japan

Additional Inventors:

- (14) MITSUO SUITA  
16-2, Ebisu Nishi 2-chome, Shibuya-ku, Tokyo, Japan
- (15) KINYA OKADA  
13-5-312, Hakusan 5-chome, Toride-shi, Ibaraki-ken,  
Japan
- (16) YOSHIHITO NAKAYAMA  
7-6, Kubogaoka 4-chome, Moriya-machi, Kita Soma-gun,  
Ibaraki-ken, Japan
- (17) ATSUSHI MATSUNAWA  
12-20-301, Shimomaruko 1-chome, Ohta-ku, Tokyo, Japan
- (18) KIYOTAKA MATSUNAGA  
5-1-2-504, Inodai 2-chome, Toride-shi, Ibaraki-ken,  
Japan
- (19) TAKASHI NAKANO  
12-30-312, Minami Karasuyama 6-chome, Setagaya-ku,  
Tokyo, Japan
- (20) SHIN NAKAMURA  
893-1-602, Ishida, Isehara-shi, Kanagawa-ken, Japan
- (21) ISAO MATSUZAKI  
762-3, Shimokagemori, Chichibu-shi, Saitama-ken, Japan
- (22) MASAAKI SAWABE  
1868, Tamatori, Tsukuba-shi, Ibaraki-ken, Japan

Inventor Information

Inventor One Given Name :: SadAo  
Family Name :: ITO  
Postal Address Line One :: 8-12, Baraki 3-chome  
Postal Address Line Two :: Ishioka-shi  
City :: Ibaraki-ken  
Country :: Japan  
Citizenship :: Japanese

Inventor Two Given Name :: Reiji  
Family Name :: HIRANO  
Postal Address Line One :: 1168-26, Ichigao-cho  
Postal Address Line Two :: Aoba-ku, Yokohama-shi  
City :: Kanagawa-ken  
Country :: Japan  
Citizenship :: Japanese

Inventor Three Given Name :: Toshiaki  
Family Name :: TAKAHASHI  
Postal Address Line One :: 20-18, Fukimo-Cho 1-chome  
Postal Address Line Two :: Tachikawa-shi  
City :: Tokyo  
Country :: Japan  
Citizenship :: Japanese

Inventor Four Given Name :: Itsuro  
Family Name :: YOSHIYA  
Postal Address Line One :: 4831-4, Oaza Terada  
Postal Address Line Two :: Toride-shi  
City :: Ibaraki-ken  
Country :: Japan  
Citizenship :: Japanese

Inventor Five Given Name :: Tsutomu  
Family Name :: NAGOSHI  
Postal Address Line One :: 8-8-203, Sanuki 2-chome  
Postal Address Line Two :: Ryugasaki-shi  
City :: Ibaraki-ken  
Country :: Japan  
Citizenship :: Japanese

Inventor Six Given Name :: Naka  
Family Name :: ITO  
Postal Address Line One :: 366-7-102, Oaza Minami Kitsuki  
Postal Address Line Two :: Kitsuki-shi  
City :: Oita-ken  
Country :: Japan  
Citizenship :: Japanese

Inventor Information

Inventor Seven Given Name :: Toshio  
Family Name :: UETAKE  
Postal Address Line One :: 168-8, Yahara-machi  
Postal Address Line Two :: Ryugasaki-shi  
City :: Ibaraki-ken  
Country :: Japan  
Citizenship :: Japanese

Inventor Eight Given Name :: Makoto  
Family Name :: TANAKA  
Postal Address Line One :: 3-1-911, Hakusan 1-chome  
Postal Address Line Two :: Midori-ku, Yokohama-shi  
City :: Kanagawa-ken  
Country :: Japan  
Citizenship :: Japanese

Inventor Nine Given Name :: Norio  
Family Name :: IJICHI  
Postal Address Line One :: 4-13-206, Inodai 1-chome  
Postal Address Line Two :: Toride-shi  
City :: Ibaraki-ken  
Country :: Japan  
Citizenship :: Japanese

Inventor Ten Given Name :: Nobuyuki  
Family Name :: HIRAI  
Postal Address Line One :: 14-4-201, Shinmachi 3-chome  
Postal Address Line Two :: Toride-shi  
City :: Ibaraki-ken  
Country :: Japan  
Citizenship :: Japanese

Inventor Eleven Given Name :: Terada  
Family Name :: MUTSUO  
Postal Address Line One :: 809, Oaza Oshido  
Postal Address Line Two :: Tone-machi, Kitasoma-gun  
City :: Ibaraki-ken  
Country :: Japan  
Citizenship :: Japanese

Inventor Twelve Given Name :: Yasuji  
Family Name :: TSUNETO  
Postal Address Line One :: 11-11-106, Arima 7-chome  
Postal Address Line Two :: Miyamae-ku, Kawasaki-shi  
City :: Kanagawa-hen  
Country :: Japan  
Citizenship :: Japanese

Inventor Thirteen Given Name :: Yasutaka  
Family Name :: KABUTO  
Postal Address Line One :: 490-603, Kuji  
Postal Address Line Two :: Takatsu-ku, Kawasaki-shi  
City :: Kanagawa-ken  
Country :: Japan  
Citizenship :: Japanese

Inventor Fourteen Given Name :: Mitsuo  
Family Name :: SUITA  
Postal Address Line One :: 16-2, Ebisu Nishi 2-chome  
Postal Address Line Two :: Shibuya-ku  
City ::Tokyo  
Country :: Japan  
Citizenship :: Japanese

Inventor Fifteen Given Name :: Kinya  
Family Name :: OKADA  
Postal Address Line One :: 13-5-312, Hakusan 5-chome  
Postal Address Line Two :: Toride-shi  
City ::Ibaraki-ken  
Country :: Japan  
Citizenship :: Japanese

Inventor Sixteen Given Name :: Yoshihito  
Family Name :: NAKAYAMA  
Postal Address Line One :: 7-6, Kubogaoka 4-chome  
Postal Address Line Two :: Moriya-machi, Kita Soma-gun  
City :: Ibaraki-ken  
Country :: Japan  
Citizenship :: Japanese

Inventor Seventeen Given Name :: Atsushi  
Family Name :: MATSUNAWA  
Postal Address Line One :: 12-20-301, Shimomaruko 1-chome  
Postal Address Line Two :: Ohta-ku  
City ::Tokyo  
Country :: Japan  
Citizenship :: Japanese

Inventor Eighteen Given Name :: Kiyotaka  
Family Name :: MATSUNAGA  
Postal Address Line One :: 5-1-2-504, Inodai 2-chome  
Postal Address Line Two :: Toride-shi  
City ::Ibaraki-ken  
Country :: Japan  
Citizenship :: Japanese

Inventor Nineteen Given Name :: Takashi  
Family Name :: NAKANO  
Postal Address Line One :: 12-30-312, Minami Karasuyama  
Postal Address Line Two :: 6-chome, Setagaya-ku  
City :: Tokyo  
Country :: Japan  
Citizenship :: Japanese

Inventor Twenty Given Name :: Shin  
Family Name :: NAKAMURA  
Postal Address Line One :: 893-1-602, Ishida  
Postal Address Line Two :: Isehara-shi  
City :: Kanagawa-ken  
Country :: Japan  
Citizenship :: Japanese

Inventor Twenty-one Given Name :: Isao  
Family Name :: MATSUZAKI  
Postal Address Line One :: 762-3, Shimokagemori  
Postal Address Line Two :: Chichibu-shi  
City :: Saitama-ken  
Country :: Japan  
Citizenship :: Japanese

Inventor Twenty-two Given Name :: Masaaki  
Family Name :: SAWABE  
Postal Address Line One :: 1868, Tamatori  
Postal Address Line Two :: Tsukuba-shi  
City :: Ibaraki-ken  
Country :: Japan  
Citizenship :: Japanese

#### Correspondence Information

Correspondence Customer Number :: 27123  
Name Line One :: Joseph A. Calvaruso, Esq.  
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Application Information

Title Line One :: INFORMATION PROVIDING SYSTEM FOR  
Title Line Two :: PROVIDING INFORMATION ABOUT PARTS  
Total Drawing Sheets :: 163  
Formal Drawings :: y  
Application Type :: Utility  
Docket Number :: 1232-4685

Representative Information

Registration Number One :: 28,287

Prior Foreign Applications

Foreign Application One :: 2000-041351  
Filing Date :: February 15, 2000  
Country :: Japan  
Priority Claimed :: Y

Foreign Application Two :: 2000-041354  
Filing Date :: February 15, 2000  
Country :: Japan  
Priority Claimed :: Y

Foreign Application Three :: 2000-041359  
Filing Date :: February 15, 2000  
Country :: Japan  
Priority Claimed :: Y

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